

## PATENT ABSTRACTS OF JAPAN

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(71)Applicant : RICOH CO LTD

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(54) ELETROPHOTOGRAPHIC DRY TONER

(57)Abstract:

PURPOSE: To obtain a toner exhaling fragrance and to obtain superior image quality and stability by incorporating a specified compound in a dry toner.

CONSTITUTION: The dry toner contains a compound selected from benzyl benzoate, cinnamic alcohol, cyclopentadecanolide, diphenyl ether, tonalid,  $\beta$ -naphthyl alkyl ether, heliotropin, methyl N-methylantranilate, l-carbone, undecylene aldehyde, eugenol, isoamyl isovalerate, anisaldehyde, geranyl acetate, cinnamyl acetate, terpinyl acetate, dimethylbenzylcarbinyl acetate, p-t-butyl- $\alpha$ -methylhydrocinnamic aldehyde, citral, and cyclamen aldehyde, thus permitting resin odor to be eliminated, the particular fragrance of the perfume and a stable image to be obtained.

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AN - 1987-238194 [34]

A - [001] 014 034 04- 055 056 074 081 27&amp; 609 658 659 725

- [002] 014 04- 041 046 047 050 055 056 061 062 063 066 067 074 075 081  
104 105 140 143 150 155 157 158 226 609 658 659 688 725

AP - JP19860000769 19860108

CPY - RICO

DC - A89 E19 G08 P84 S06

DR - 0557-U 0651-U 0739-U 0780-U 0957-U 1000-U 1001-U

FS - CPI;GMPI;EPI

IC - G03G9/08

KS - 0037 0209 0231 0239 0248 0304 0306 0486 0488 0759 0787 1277 1282 1288

1292 1294 1415 2806 2808

MC - A12-L05C2 E06-A02E E07-H E10-B03B E10-C04 E10-D01 E10-E02F E10-E04

E10-G02F G06-G05

- S06-A04C1

M3 - [01] G010 G011 G019 G035 G100 G562 H102 H141 H401 H441 H721 H722 J0

J011 J2 J231 J271 M210 M211 M214 M215 M220 M224 M232 M240 M262 M272

M273 M280 M281 M311 M313 M314 M320 M321 M331 M332 M333 M340 M342 M373

M391 M414 M415 M416 M510 M520 M530 M531 M532 M540 M541 M620 M781 M903

M904 Q348 Q612 R036 R043; 8734-B5501-U; 8714-0 1286-M

- [02] D022 D140 G013 G100 H541 H721 H722 J4 J431 J471 M210 M211 M213

M214 M220 M223 M224 M231 M232 M233 M240 M262 M272 M280 M281 M313 M320

M321 M331 M342 M372 M391 M412 M414 M416 M510 M511 M520 M530 M531 M540

M781 M903 M904 Q348 Q612 R036 R043; 8734-B5502-U; 8714-0 1286-M

- [03] D012 D130 G022 G036 G038 G039 G223 G562 H721 J5 J521 J561 J581

L942 M210 M211 M213 M232 M240 M262 M280 M281 M282 M283 M320 M412 M414

M415 M510 M511 M520 M530 M531 M540 M541 M781 M903 M904 Q348 Q612 R036

R043; 47323; 8734-B5502-U; 8714-0 1286-M

- [04] G010 G015 G019 G021 G036 G100 G111 G221 G563 H401 H441 H461 H481

H541 H721 H722 H8 M121 M122 M141 M210 M211 M212 M213 M214 M215 M216

M220 M221 M222 M223 M224 M225 M226 M231 M232 M233 M240 M272 M280 M281

M282 M313 M320 M321 M332 M342 M373 M391 M414 M415 M416 M510 M520 M530

M531 M532 M540 M541 M781 M903 M904 Q348 Q612 R036 R043; 8734-B5503-U

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PA - (RICO ) RICOH KK

PN - JP62160464 A 19870716 DW198734 005pp

PR - JP19860000769 19860108

XA - C1987-100482

XIC - G03G-009/08

XP - N1987-178100

AB - J62160464 The dry toner includes benzyl benzoic acid, cinnamon

alcohol, cyclopentadecanolide, diphenylether, tonalide,

beta-naphthylalkylether, heliotropin, N-methylanthranilic acid methyl,

l-menthol, isoamyl salicylic acid, geraniol, undecylene aldehyde,

eugenol, isovaleric acid isoamyl, anisaldehyde, geranyl acetate,

cinnamyl acetate, terpinyl acetate, dimethyl benzylcalvinyl

acetate,p-t.-butyl- alpha-methyl-hydrocinnamic aldehyde, citral and

cyclamen aldehyde.

- The binding resin used in the toner is polystyrene, homopolymer, ester

acrylate polymer, styrene/ester acrylate copolymer, vinyl chloride

polymer, vinyl acetate polymer, polyethylene, polypropylene, polyester